

CLAIMS

1. User interface for providing operational input to a portable telecommunication device without using keys or corresponding manual input means, **characterised** in that the interface comprises

an electromechanical actuator (25) including an electrical drive means (13,14,41) provided with supply means for electrical power and a movable means (12,15,24,42) arranged in relation to the drive means in such a way that the movable means performs a mechanical movement when electrical power is supplied to the drive means, and wherein an electric signal is induced in the drive means when the portable telecommunication device is moved in a way that causes the movable means to move,

a sensing unit (23,60) for sensing the induced electrical signal, and

a control means (21, 70) for controlling a desired operation of portable telecommunication device by means of the signal induced in the drive means.

2. User interface as defined in claim 1, **characterised** in that the control means (21, 70) provide a control signal used for switching a function on/off.

3. User interface as defined in claim 1, **characterised** in that the control means (21, 70) provide a control signal used for as switching the telecommunication device to a specific mode.

4. User interface as defined in claim 1, **characterised** in that the control means (70) stops the movable means in such a position that makes it possible for it to move when the portable telecommunication device is moved.

5. User interface as defined in claim 1, **characterised** in that the control means (70) stops the movement of the movable means before the portable telecommunication device is switched to a induced electrical signal operation mode.

6. User interface as defined in claim 1, **characterised** in that the control means (21) provide identification signal for informing the user that the

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portable telecommunication device is switched to a induced electrical signal operation mode.

5 7. User interface as defined in claim 1, **characterised** in that the measuring means (23,60) provide an identification signal identifying the direction of movement of the movable means.

10 8. User interface as defined in claim 1, **characterised** in that the actuator is a rotating electric motor (13,14) provided with rotating eccentric means (12,15).

15 9. User interface as defined in claim 1, **characterised** in that the actuator is a linear electric actuator provided with coil means (41) and a moving magnetic core (42).

20 10. User interface as defined in claim 1, **characterised** in that the sensing unit comprises an amplifier (63) and a treshold unit (62) whereby a control signal is generated in the control unit (21) when the voltage exceeds a predefined threshold voltage.

25 11. Use of an electromechanical actuator (75) including an electrical drive means (13,14,41) provided with supply means for electrical power and a movable means (12,15,24,42) arranged in relation to the drive means in such a way that the movable means performs a mechanical movement when electrical power is supplied to the drive means, and wherein an electric signal is induced in the drive means when the portable telecommunication device is moved in a way that causes the movable means to move, as a user interface for providing operational input to a portable telecommunication device without using keys or corresponding manual input means for providing operational input in
30 a portable telecommunication device.